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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/635,265	08/06/2003		John D. York	180/158/2 1379	
25297	7590	04/06/2006		EXAM	INER
JENKINS, WILSON & TAYLOR, P. A.				WALICKA, MALGORZATA A	
3100 TOW	ER BLVD				
SUITE 1200			ART UNIT	PAPER NUMBER	
DURHAM, NC 27707				1652	

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/635,265	YORK ET AL.
Office Action Summary	Examiner	Art Unit
	Malgorzata A. Walicka	1652
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on 13 Ja This action is FINAL. Since this application is in condition for alloward closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) □ Claim(s) 1-64 is/are pending in the application 4a) Of the above claim(s) 1-17 and 30-64 is/are 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) 18-29 are subject to restriction and/or	e withdrawn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)
2) Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da	

Application/Control Number: 10/635,265

Art Unit: 1652

The Response to Restriction Requirement filed Jan. 13, 2006 is acknowledged. Applicants elected Group III, claims 18-29, drawn to a method for identifying a compound that modulates activity of a sulfur assimilation pathway enzyme in vitro.

After reconsideration the claims of the elected group, a further restriction to one of the following inventions is required under 35 U.S.C. 121. The examiner regrets any inconvenience that may cause.

- Claim 18-20, 22, 24-29, all in part, and claim 21 in its entirety, drawn to a method for identifying a compound that modulates the activity of a ATP sulfurylase in vitro, classified in class 435, subclass 18.
- Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of APS kinase in vitro, classified in class 435, subclass 15.
- Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a sulfotransferase in vitro, classified in class 435, subclass 15.
- IV Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a PAPS reductase in vitro, classified in class 435, subclass 25.

Application/Control Number: 10/635,265

Art Unit: 1652

V Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a PAP phosphatase in vitro, classified in class 435, subclass 21.

VI Claims 18-20, 22, 24-29 all in part and claim 23 in its entirety, drawn to a method for identifying a compound that modulates the activity of a bifunctional PAPS synthetase enzyme in vitro, classified in class 435, subclass 4.

Inventions I-VI are distinct because they are unrelated. The inventions are six methods of using six products which are six distinct enzymes having different structures and functions in the sulfur assimilation pathway. The methods are not disclosed as capable of use together because each of the method requires the use of a different polypeptide and its specific substrate.

Inventions I-VI are distinct for the reasons given above and have acquired a separate status in the art. Because of their recognized divergent subject matter and/or different classification, and necessity of search a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship

must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Malgorzata A. Walicka whose telephone number is (571) 272-0944. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy, can be reached on (571) 272-0928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PONNATHAPU ACHUTAMURTHY SUPERVISORY PATENT EXAMINER TECHNOLOGY OFFICE 1300

Malgorzata A. Walicka, Ph.D. Art Unit 1652 Patent Examiner